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Attention to security

To ensure your safety, reduce accidents happens, before installation please must read the installation manual carefully, and operation is strictly complying with the installation manual. If you have some questions, please ask the specialists and the dealers.

1) The installation worker must inspect the door before installation, only allows installation the opener at balance state, Otherwise it could have serious consequences.

2) When the door is running, no people and object can across, or stay below the door.

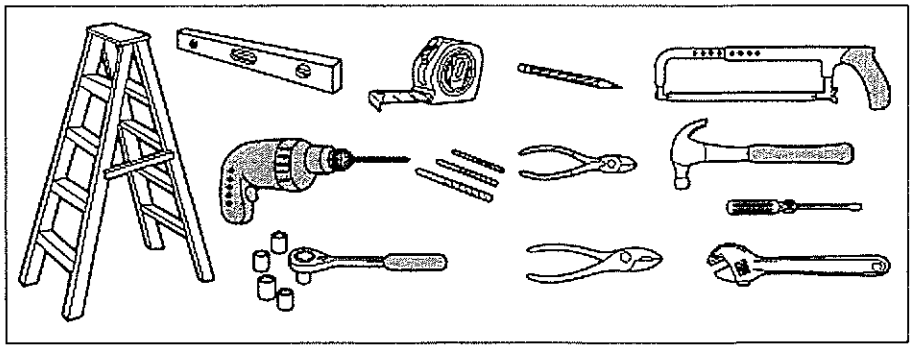
3) It is forbidden to use the remote control when you can not see the door running, avoid accidents and misuse of the garage door opening.

4) The mechanical limiters should add the doors two side to prevent the body slid off the door.

Note :If you do not have the side door ,please must installation blackouts unlocking device so as to open the door by hand when blackout.

Tools needed

During assembly, installation and adjustment of the opener, instructions will call for hand tools as illustrated below.



Installation

1) Read the instruction carefully.
2) Make sure the door structure is solid and suitable to be motor driven.
3) Make sure when the door is moving there are no friction point.
4) The door must be properly balanced and must be easily lowered and raised by hand.

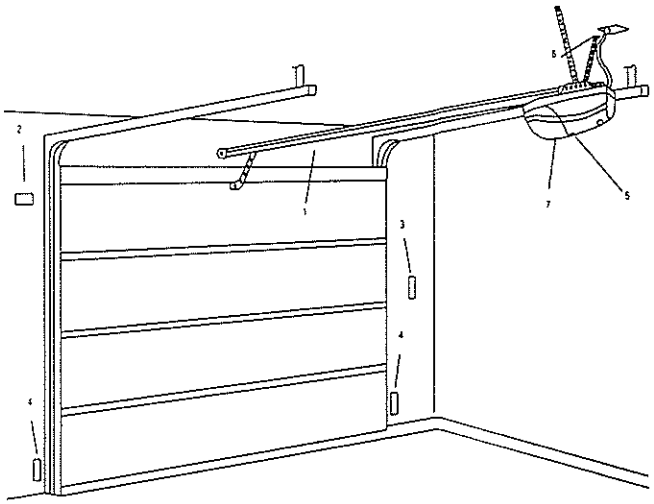


Fig.1

Referring to Fig. 1 for recommended installation

1) Track
2) 24V DC flash light (optional)
3) Wall switch (optional)
4) Photo beam (optional)
5) O/S/C button
6) Power socket
7) Door opener

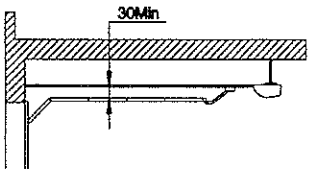


Fig.2

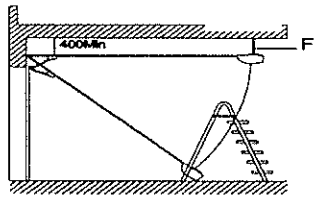


Fig.3

Maintain a minimum gap of 30mm from the top panel's maximum height (Fig. 2).
Make sure the track is horizontal and vertical to the shaft. Make sure the connection ofhanging bracket F and ceiling is firm enough (Fig. 3).
Warning: Make sure the opener is affixed to nogginsin ceiling and not to plasterboard. Failure to have a safe and secure fixing will lead to opener falling, and cause serious persons and /or property damage.

Installation (aluminum track)

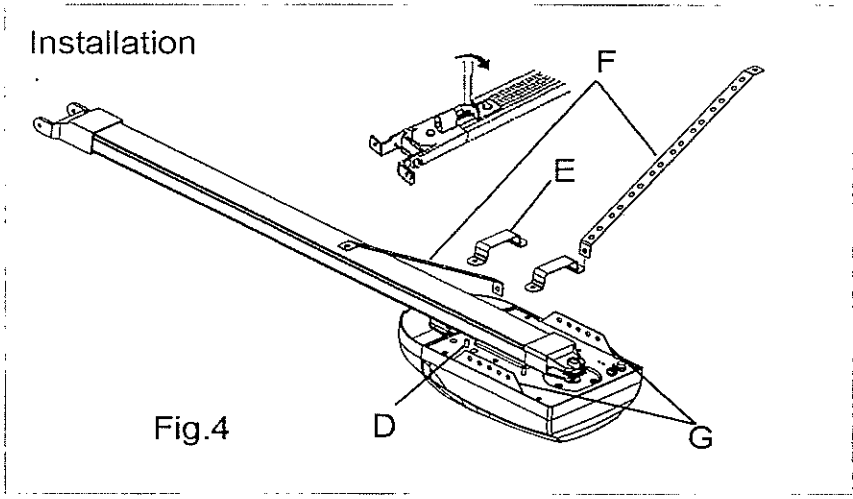


Fig.4

Before attaching the U brackets (E) (Fig.4) screw an inverted nut (6mm) (D) on each stud then position the brackets (E) on the studs and secure them in-place using a second 6mm-nut and then lock the brackets to the rail by tightening the inverted lock nuts (D). Connect the opener edge (G) to the hanging bracket (F).Connect the aluminum track to the wall bracket (Fig.5). Check measurements for drilling insert and lock the brackets F and fix the opener to the ceiling with the correct fixings (Fig.3). Cut off any hanging bracketsexcess.

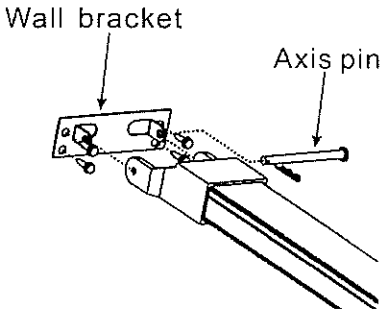


Fig.5

Installation (steel track)

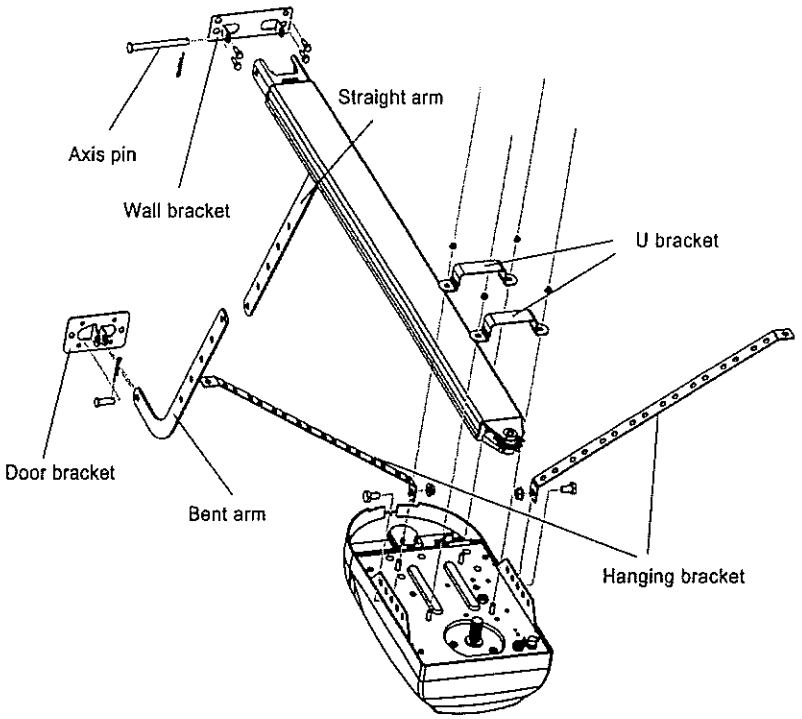


Fig. 6

1. Fixing the track bracket to the wall 2cm-15cm over the shaft or intermediate bracket (depending on the actual installation space).

2. Fixing the steel track to the wall bracket with axis pin. (Fig. 6)

3. Fixing garage door opener to the track by U bracket. It's enough for 2 Nm fastening force.

4. Fixing the opener on ceiling by hanging bracket.

Notice: Make sure the track is horizontal and vertical to the shaft. Make sure the connection ofhanging bracketand ceiling is firm enough.

5. Fix the clutch cord.

6. Release the clutch, try to open and close the door by hand. Make sure there is no resistance between door panel and track.

7. Connecting the opener with power and adjusting the operation.

   Notice: Make sure the opener's voltage is in accordance with the local voltage. Connect the opener to a properly earthed power supply.

Installation (sectional steel track)

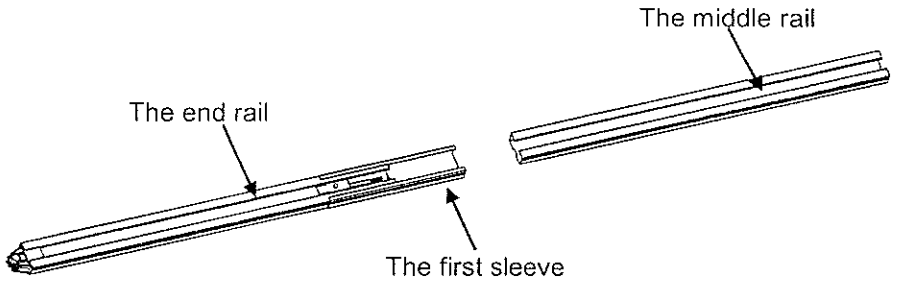


Fig. 7

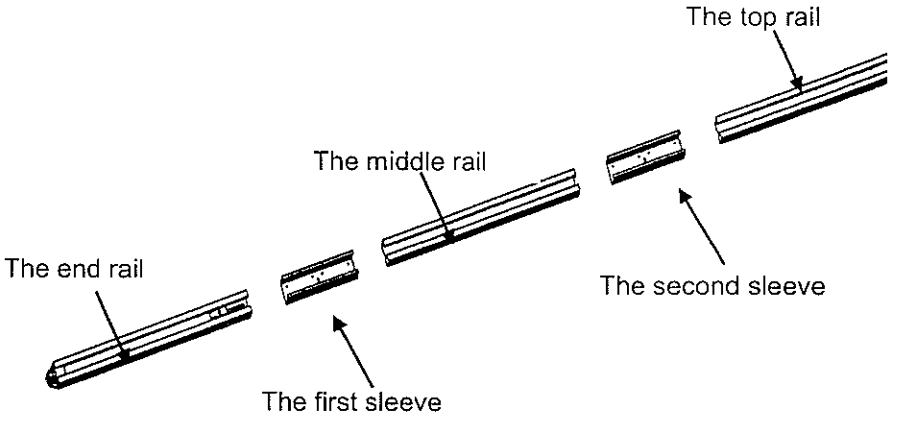
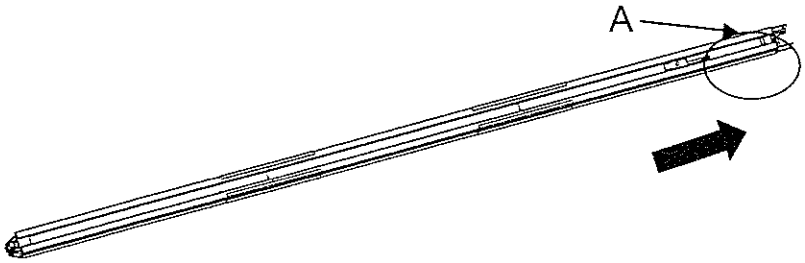


Fig. 8



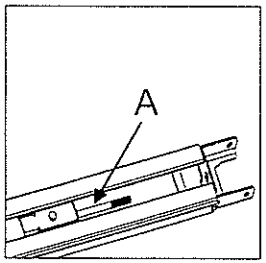


Fig. 9

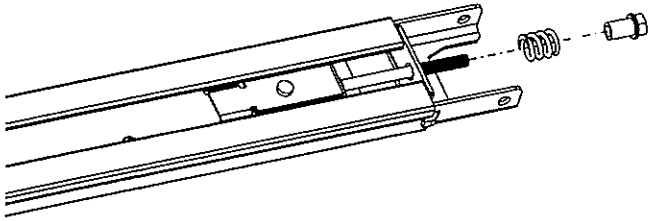


Fig. 10

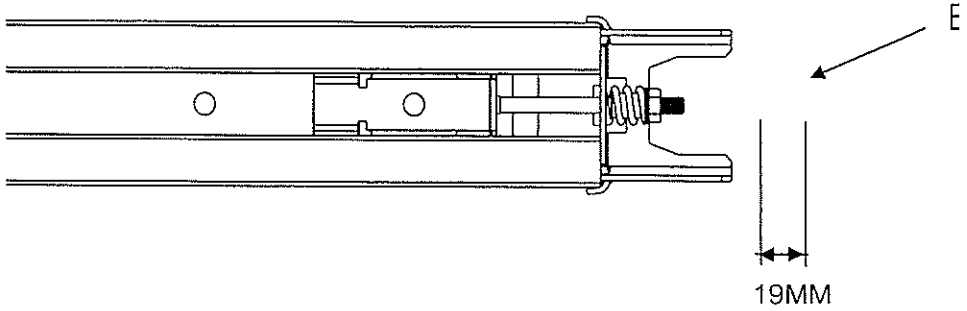
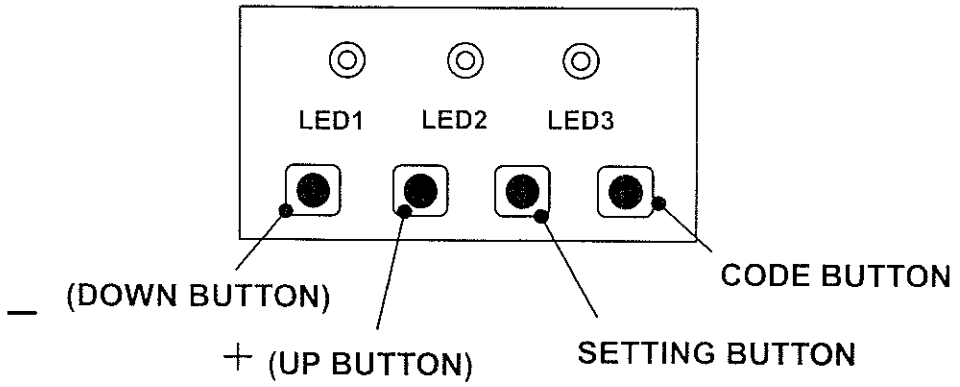


Fig. 11

1. As Fig.7,slide the end rail into the 1st sleeve,slide the middle rail into the 1st sleeve;
2. As Fig.8,slide the 2nd sleeve to the other end of middle rail,slide the top rail into the 2nd sleeve;
3. Remove the plastic film on the end rail ,cut the plastic cable tie on the screw rod "A";
4. As Fig.9,pull the screw rod"A" along with inner chain to the endof top rail ;
5. As Fig.10,undo the nut & spring;
6. Tight the nut to the right position as shown in Fig.11,cut the plastic cable tie on sprocket, then whole rail assembled finished.

Programming and adjustment

1. Programming buttons



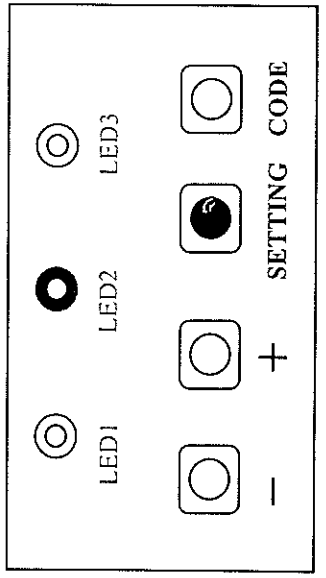
Note: Different model matching different control board.

2. Instruction of electricity

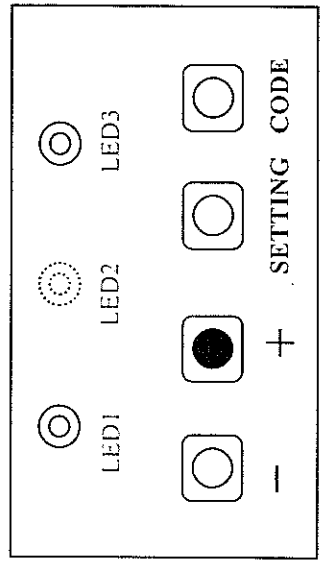
Puts through the power source, the LED1 (1#), LED2 (2#), LED3 (3#) will flash three times, it indicate that the program is work normally.

3. Program the travel

3.1. Press and hold the **SETTING** Button until the LED2 is bright.

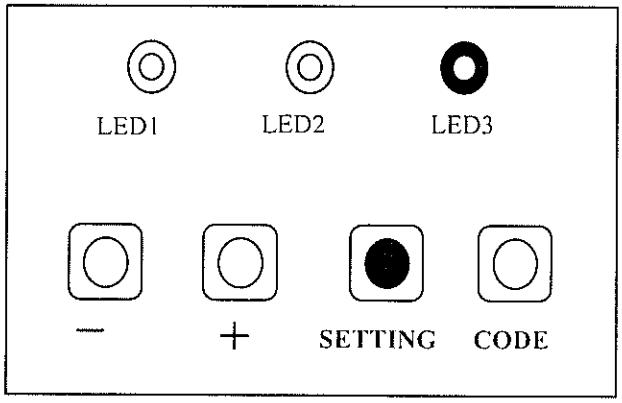


3.2. Press and hold the **+** Button until the door in the desired UP position.

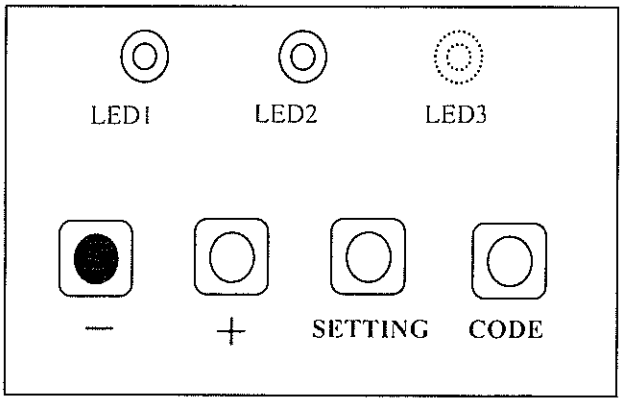


NOTE: The **UP** and **DOWN** Buttons can be used to move the door up and down as needed.

3.3. Once the door in the desired UP position press the SETTING Button until the LED3 is bright.

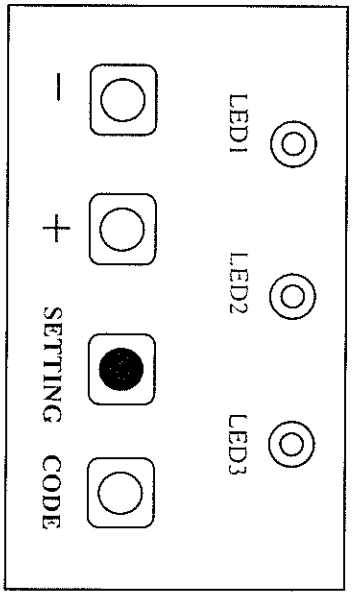


3.4. Press and hold the − Button until the door in the desired DOWN position.



NOTE: The **UP** and **DOWN** Buttons can be used to move the door up and down as needed.

3.5. Once the door is in the desired DOWN position, press and hold the **SETTING** Button until the LED3 is off.

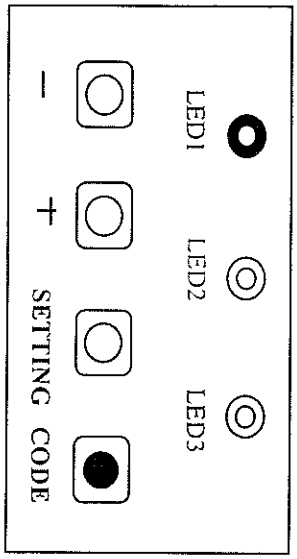


3.6. And now, three lights are off. (Attention: don't press SETTING for a long time, when LED3 light flashing, release at once).

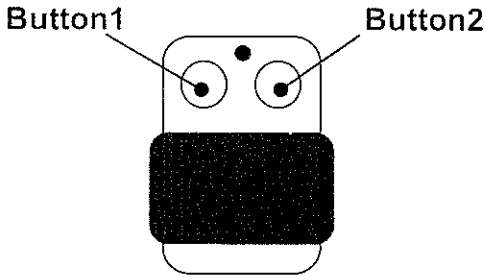
Remote Control

PROGRAM A REMOTE USING THE CODE BUTTON

1. Press the **CODE** Button until the LED1 is bright.



2. Within 10 seconds, press the button on the remote control, then release and press the same button again, the "**LED1**" will flash and turn off. Repeat up steps to code a maximum of 20 different remote controls. Now, congratulation!



Note:

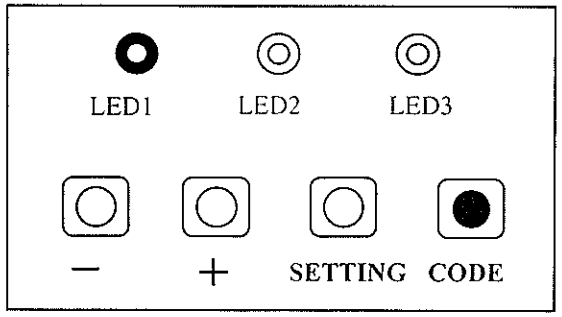
To open or close the garage door, press and hold Button. When the garage door begins to move, release Button.

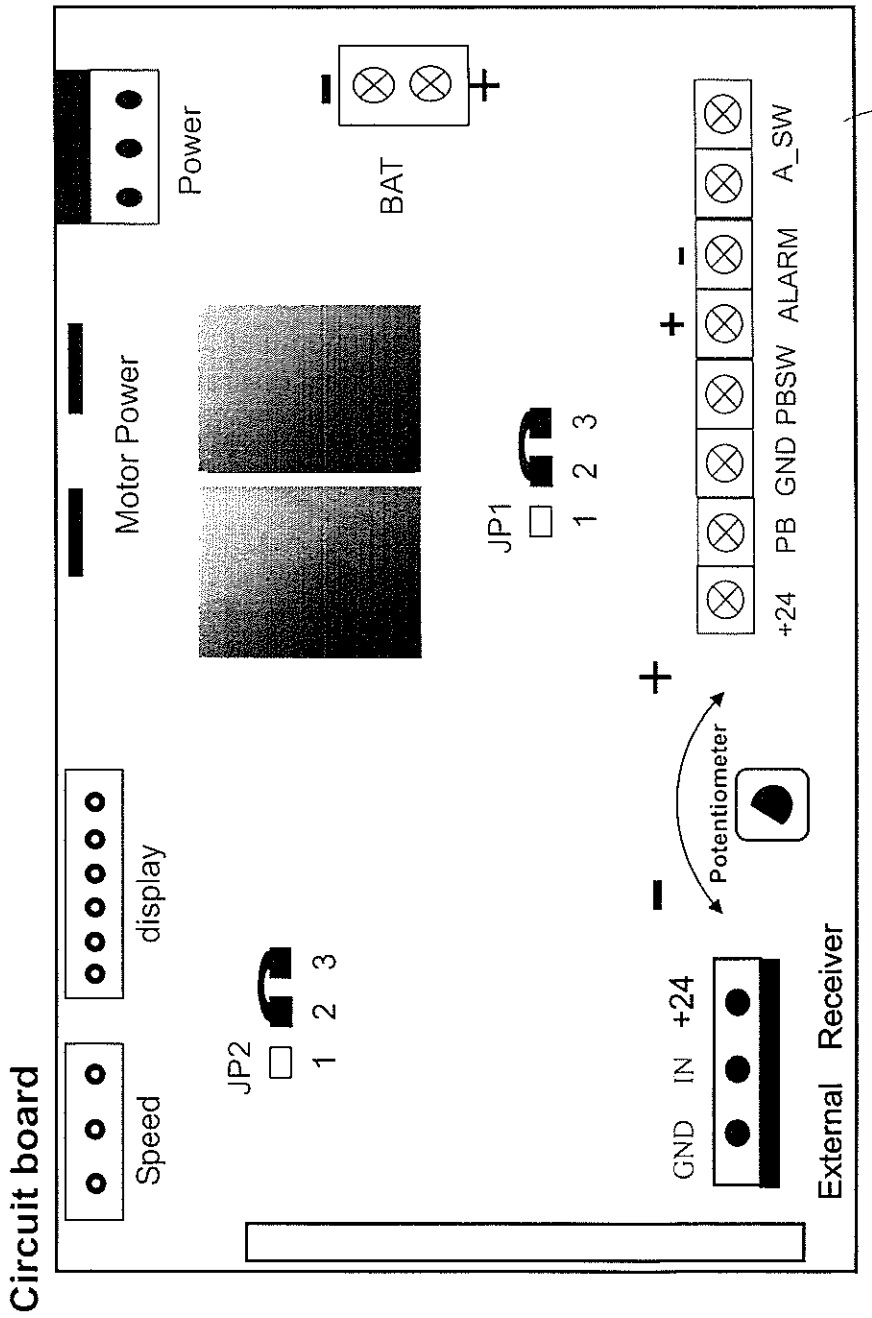
To stop garage door during travel, press and hold Button until door stops, then release Button.

To resume garage door travel after stopping, press Button again .Door begins to move in the opposite direction.

To Erase the Memory

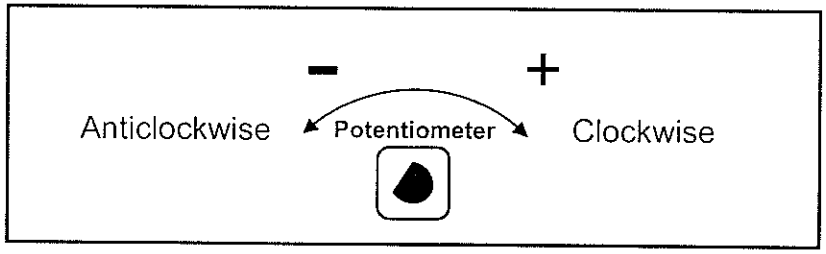
1. Press and hold the **CODE** button on garage door opener, the "**LED1**" will turn on. Release the **CODE** button when the "**LED1**" turns off. All remote control are now erased. Reprogram any accessory you wish to use.





The adjustment of reverse force

1. To insure the door operation normally, the lift is not need to adjust; the program has setting the reverse force. If the force is larger than the setting force, the door will stop automatically, when opening the door, avoid damage the door and the motor.
2. The adjustment of reverse force, press remote control make the door toward the down position test the reverse force ,if too large , anticlockwise adjust Potentiometer ,if too small, clockwise adjust Potentiometer, until desirable.



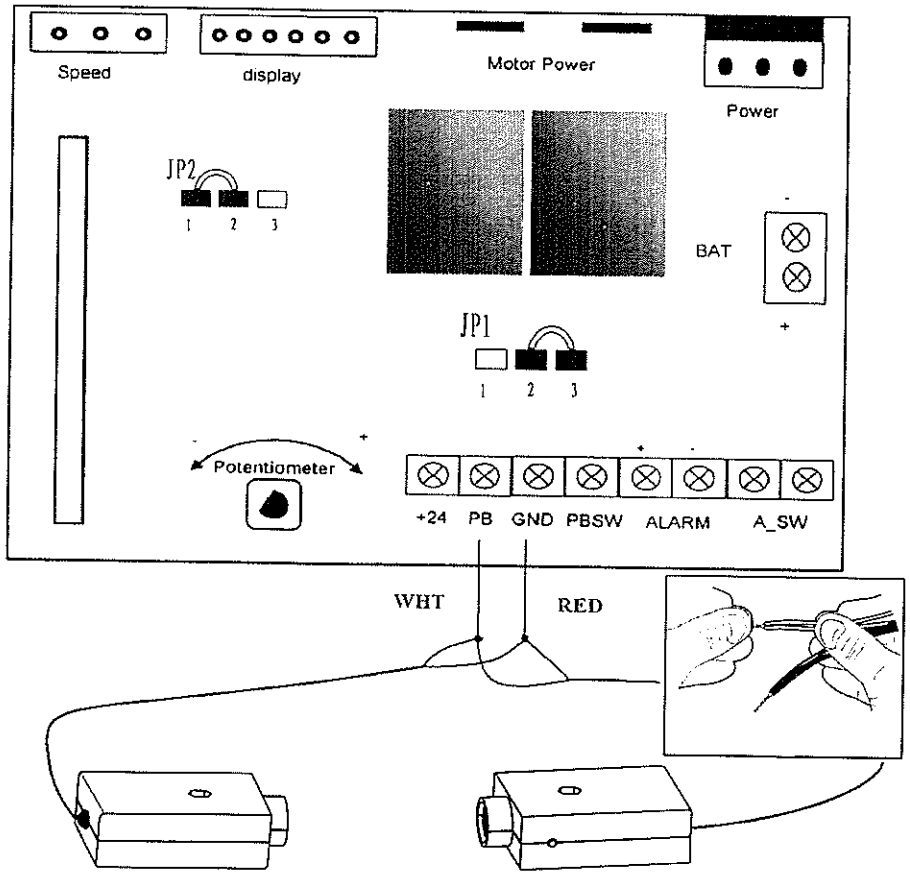
3. When finished, operate the motor for several time to insure the door can normally running the closing or opening position, it indicate that the adjustment is fit, if it does not, it need to adjust the reverse force again until desirable.

Note: The adjustment of reverse force is inefficacy when the door is running, it will as the standard only in the next door running.

The use of photoelectric switches

When need to connect external photoelectric switch, short of photoelectric switches jumper **JP1 1-2 foot.** After finished, during opening door, if the switch is hidden, the door will stop at once, after prolong time it turn into opening door ;during the opening ,do not examine the switch.

If do not use photoelectric switch, it need to short of photoelectric switches jumper **JP1 2-3** foot. It does not need to connect the switch, the program will not exam the photoelectric switches.

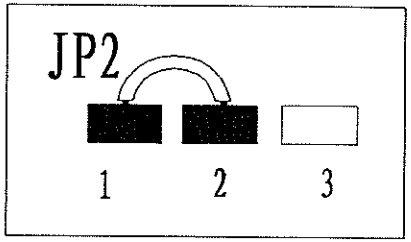


Turn off light automatically

It has turned off light function so do not need to set.
When the opener is running, the light is brighten automatically .If have no wall switch and press any button in **3** minutes, the light will be off automatically.

Close door automatically

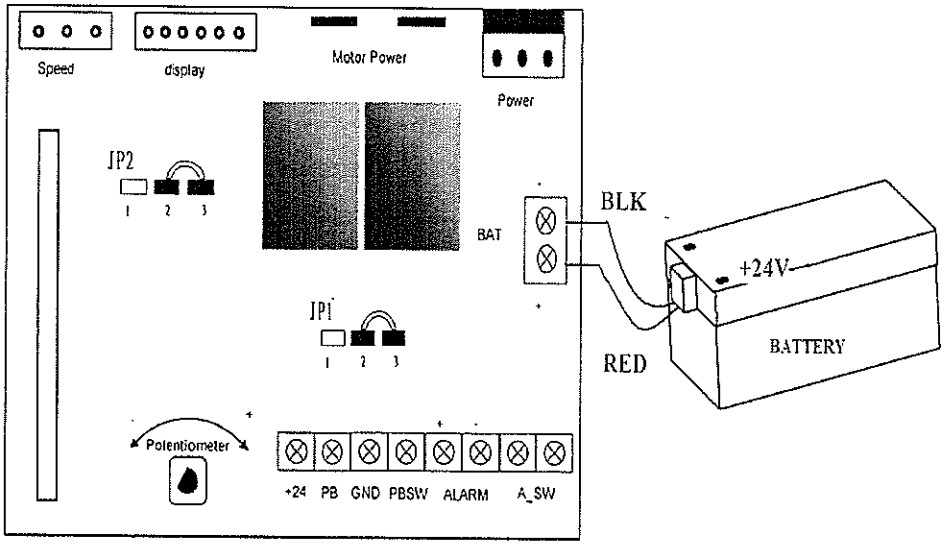
If need to this function, it need to short of photoelectric switches jumper JP2 1-2 foot., then have this function .When the door is not close, if have no wall switch and press any button in **4** minutes ,the program has close door automatically function . You can cancel this function short 2-3 foot.



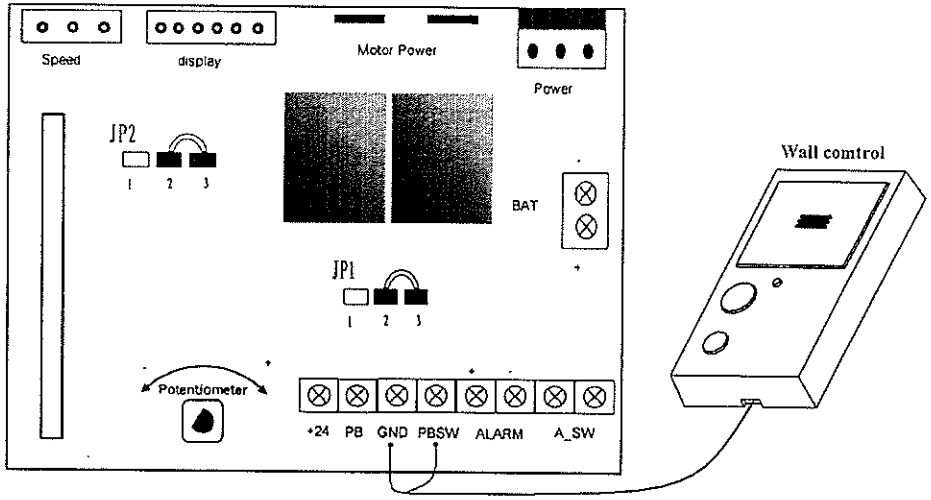
Power failure clutch lock

If your garage door is in the open position, when encountering power failure, you can pull the emergency release handle manually to disconnect the clutch with the chain connector, and then pull the door panel downward to the closing position manually; door panels will be blocked by the limit hole. (The erector installation according to actual position which is the distance of clutch ,use electric drill make a hole about 8mm)

Backup battery



Wall control



Maintenance and repair

Check the safety protection function of the opener at least one month regularly whether the closing state changed , it is sensitive for error recognition ,the door is keep balance and adjust in time ,so as to keep the best state,. It is necessary for find a specialist to check and adjustment.

Technical parameter

a. Rated voltage: AC230V 50Hz
b. Motor: 24VDC
c. Transmission frequency and range: 433MHz/open terrain 50m
d. Max. Speed: 100mm/s
e. Method of protection: Use only in dry rooms
f. Standby power: <4W

The common stoppage and trouble shooting

Fault	Cause	Remedy
No response for the operator, LED off	•Disconnection between door opener and power supply	•Check the electrical outlet
No response for the operator ,LED flashed very quickly	•The programming is wrong	•Restart the programming
While opening or closing doors, it stops in its way, and runs at opposite way, the LED flash quickly	•The resistance is stronger than the system, activate the protect system	•Check the balance system of the door •Increase the load force of the door

The door cannot run for the position of close, cannot close the door	•The photoelectric switch is shelter from the obstacle •The system has this function, but disconnect.	•Remove the obstacle •Do not use photoelectric switch or connect
The door cannot open or close completely	•Programmer is wrong	•Restart learning the travel
The wall switch can use ,but remote control does not work	• The remote control does not learn • No battery in remote control	•Learning the remote control according to the manual
The remote control distance is get near ,the light is become dark	•The battery is powerless	•Replace the battery
The remote control is work, but the wall switch does not work	•The wire of wall switch is loose or turn off	•Check the connection wire of wall switch